Claim Amendments

Please amend claims 1, 11, and 21-28 as follows:

Listing of Claims

- 1. (currently amended) An apparatus <u>adapted to for dispenseing</u> a liquid onto a substrate frontside and backside during a development process and adjustably controlling liquid flow on said substrate backside during said development process to improve a rinsing step, comprising:
 - a support adapted to for receiveing the substrate;
- a dispensing head <u>adapted</u> to for dispenseing the liquid onto the substrate;
- a knife ring having a base and a tapered edge extending <u>upward</u> from said base to form an <u>upper edge</u>, said knife ring vertically adjustably mounted beneath said support; and
- a plurality of independently-actuated automatic vertical adjustment mechanisms operably engaging said base of said knife ring, said plurality of independently-actuated automatic vertical (substantially vertical) adjustment mechanisms adapted to for placeing said upper edge of said knife ring at selected vertical positions beneath the substrate during said development process to adjustably control liquid flow on said substrate backside.

- 2. (previously presented) The apparatus of claim 1 wherein said plurality of independently-actuated automatic vertical adjustment mechanisms comprise a plurality of fluid-actuated ring actuating cylinders.
- 3. (previously presented) The apparatus of claim 1 wherein said knife ring has a diameter of about 290 mm.
- 4. (previously presented) The apparatus of claim 3 wherein said plurality of independently-actuated automatic vertical adjustment mechanisms comprise a plurality of fluid-actuated ring actuating cylinders.

Claims. 5-6 (canceled)

- 7. (previously presented) The apparatus of claim 2 wherein said plurality of fluid-actuated ring actuating cylinders is actuated by pneumatic pressure.
- 8. (previously presented) The apparatus of claim 7 wherein said knife ring has a diameter of about 290 mm.

Claims 9-10 (canceled)

- 11. (currently amended) An apparatus <u>adapted to for dispenseing</u> a liquid onto a substrate frontside and backside during a development process and adjustably controlling liquid flow on said substrate backside during said development process to improve a rinsing step, comprising:
 - a support adapted to for receiveing the substrate;
- a dispensing head <u>adapted</u> to <u>for</u> dispens<u>eing</u> the liquid onto the substrate;
- a knife ring having a base and a tapered edge extending <u>upward</u> from said base <u>to form an upper edge</u>, said knife ring vertically adjustably mounted beneath said support; and
- a pair of independently-actuated hydraulic-powered ring actuating cylinders operably engaging said base of said knife ring in generally diametrically-opposed relationship to each other, said pair of independently-actuated hydraulic-powered ring actuating cylinders adapted to for placeing said upper edge of said knife ring at selected vertical positions beneath the substrate during a development process to adjustably control liquid flow on said substrate backside.

12. (previously presented) The apparatus of claim 11 wherein said knife ring has a diameter of about 290 mm.

13. - 20. (canceled)

21. (currently amended) The apparatus of claim 1, wherein said vertical positions are selected from a position facilitating flow of liquid between said <u>upper edge of said</u> knife <u>ring edge</u> and said substrate backside and a position substantially preventing a flow of liquid between said <u>upper edge of said</u> knife <u>ring edge</u> and said substrate backside.

- 22. (currently amended) The apparatus of claim 21, wherein said position facilitating flow of liquid between said <u>upper edge of said</u> knife <u>ring edge</u> and said substrate backside comprises a gap distance between an <u>said</u> upper edge of said knife ring and said substrate backside of about 1.4 mm to about 1.4 mm.
- 23. (currently amended) The apparatus of claim 21, wherein said position substantially preventing flow of liquid between said upper edge of said knife ring edge and said substrate backside comprises a gap distance between an said upper edge of said knife ring and said substrate backside to prevent said liquid flow while said

U.S.S.N. 10/658,708 substrate is rotating.

- 24. (currently amended) The apparatus of claim 21, wherein said position substantially preventing flow of liquid between said upper edge of said knife ring edge and said substrate backside comprises a gap distance between an said upper edge of said knife ring and said substrate backside of about 0.1 mm to about 0.4 mm.
- 25. (currently amended) An apparatus <u>adapted to for dispenseing</u> a liquid onto a substrate frontside and backside during a development process and adjustably controlling liquid flow on said substrate backside during said development process to improve a rinsing step, comprising:
 - a support adapted to for receiveing the substrate;
- a dispensing head <u>adapted</u> to for dispenseing the liquid onto the substrate;
- a knife ring having a base and a tapered edge extending <u>upward</u> from said base to form an <u>upper edge</u>, said knife ring vertically adjustably mounted beneath said support; and
- a plurality of independently-actuated automatic vertical adjustment mechanisms operably engaging said base of said knife ring.

said plurality of independently-actuated automatic vertical
adjustment mechanisms adapted to for placeing said upper edge of
said knife ring at selected vertical positions beneath the substrate
during said development process to adjustably control liquid flow
on said substrate backside;

wherein said vertical positions are selected from a position facilitating flow of liquid between said <u>upper edge of said</u> knife <u>ring edge</u> and a substrate backside and a position substantially preventing flow of liquid between said <u>upper edge of said</u> knife <u>ring edge</u> and said substrate backside.

- 26. (currently amended) The apparatus of claim 25, wherein said position facilitating flow of liquid between said upper edge of said knife <u>ring edge</u> and said substrate backside comprises a gap distance between an <u>said</u> upper edge of said knife ring and said substrate backside of about 1.4 mm to about 1.4 mm.
- 27. (currently amended) The apparatus of claim 25, wherein said position substantially preventing flow of liquid between said upper edge of said knife ring edge and said substrate backside comprises a gap distance between an upper edge of said knife ring and said substrate backside of about 0.1 mm to about 0.4 mm.

- 28. (currently amended) The apparatus of claim 25, wherein said position substantially preventing flow of liquid between said upper edge of said knife ring edge and said substrate backside comprises a gap distance between an said upper edge of said knife ring and said substrate backside to prevent said liquid flow while said substrate is rotating.
- 29. (previously presented) The apparatus of claim 25 wherein said plurality of independently-actuated automatic vertical adjustment mechanisms comprise a plurality of fluid-actuated ring actuating cylinders.
- 30. (previously presented) The apparatus of claim 29 wherein said plurality of fluid-actuated ring actuating cylinders is actuated by pneumatic pressure.
- 31. (previously presented) The apparatus of claim 25 wherein said knife ring has a diameter of about 290 mm.